

SUMMARY

Wires



Image is for illustrative purpose only

Series	1K
Termination type	Male crimp
IP rating	68
AWG wire size	24.00 - 20.00
Cable Ø	0.00 - 0.00 mm
Status	obsolete
Alternative part	FGG.1K.305.CYCC60Z
Matching parts	EGG.1K.305.CYM

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TECHNICAL DETAILS

Mechanics

Shell Style/Model	FG*: Straight plug, cable collet and nut for fitting a bend relief
Keying	1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Housing Material	Brass (chrome plated [SAE AMS 2460]) shell and collet nut, nickel plated [SAE AMS QQ N 290] brass latch sleeve and mid pieces
Variant	Z : Nut for fitting a bend relief
Weight	24.16 g

Performance

Configuration	1K.305 : 5 Low Voltage
Insulator	Y: PEEK for crimp contacts
Rated Current	9 Amps

Specifications

Contact Type:	Crimp
Contact Retention:	30 N
Contact Dia.:	0.9 mm (0.035in)
Bucket Dia.:	1.1 mm (0.043in)
Min. Conductor:	0.25 mm ² (AWG 24)
Max. Conductor:	0.5 mm ² (AWG 20)

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R (max): 4.8 mOhm

Vtest (contact-shell): 1550 V (AC), 2200 V (DC)

Vtest (contact-contact): 1300 V (AC), 1840 V (DC)

Others

Endurance (Shell): 5000 mating cycles

Temp (min / max): -55 °C / +200 °C

Humidity (max): <=95% [at 60 deg C /140 F]

Vibration: 15 g [10 Hz - 2000 Hz]

Shock Resistance: 100 g [6 ms]

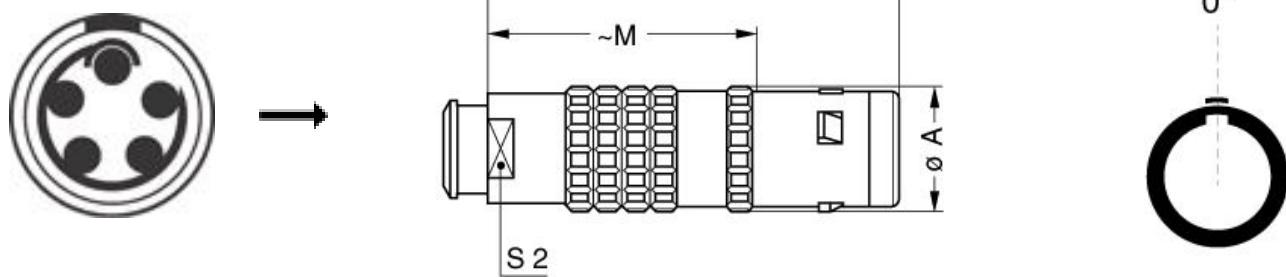
Climatical Category: 50/175/21

Shielding (min): 95 dB (10 MHz)

Shielding (min): 80 dB (1 GHz)

Salt Spray Corrosion: >1000 hr

DRAWINGS



Dimensions

	A	L	M	S2
mm.	13	42	28	9
in.	0,51	1,65	1,10	0,35

RECOMMENDED BY LEMO

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Tools

Crimp Tool:	<u>DPC.91.701.V</u>
Crimp settings:	AWG/Selector = 20-22-24/6-5-5
Positionner:	<u>DCE.91.091.BVC</u>
Extractor:	<u>DCF.91.090.2LT</u>
Replacement contact:	FGG.1B.560.ZZC
Spanner wrench:	<u>DCD.1E.008.PA090</u>
Caps:	<u>BFG.1K.100.NAS</u>

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